

REMARKS

By this amendment, the Abstract of Disclosure has been added as the last page of the application (page no. 38). The separate page for the Abstract of the Disclosure is attached.

An amendment to the specification is made also to identify the PCT International Application.

Claims 1-68 are currently pending. Claims 1-57 have been amended and new claims 58-68 have been added in order to conform the claims to U.S. practice. No new matter has been introduced by these amendments.

The examiner is respectfully requested to consider the above preliminary amendment prior to examination of the application.

If there is any fee due in connection with the filing of this Preliminary Amendment, please charge the fee to our Deposit Account No. 06-0916. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such an extension is requested and the fee should be charged to our deposit account.

Respectfully submitted,

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Dated: June 23, 2004

By: 

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ABSTRACT OF THE DISCLOSURE

An optical transmission system having a supervisory system of devices disposed along an optical link. Counter-propagating Raman amplifiers are disposed along the optical link. Low-frequency supervisory signals are superimposed on the optical signals traveling on the optical link by suitable modulators in the devices disposed along the line. Counter-propagating Raman amplifiers amplify optical signals and do not introduce a substantial amount of attenuation on the low-frequency supervisory signals.